



S H E P A R D B R O S. I N C .

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.

COMPANY AND PRODUCT IDENTIFICATION:

MANUFACTURER'S NAME: Shepard Bros., Inc.	EMERGENCY TELEPHONE NUMBER (Chemtrec): (800) 424 – 9300
ADDRESS: 503 S. Cypress St. La Habra, CA 90631	TELEPHONE NUMBER FOR INFO: (562) 697-1366
DATE PREPARED: 4/11/11	FAX NO. (562) 697-5786
PRODUCT NAME: SHOTGUN LK-5	DESCRIPTION: Chlorinated Foam Cleaner

SECTION 2.

HAZARDS IDENTIFICATION:

I. EMERGENCY OVERVIEW

Danger ! Corrosive. May cause burns to the eyes, skin and mucous membrane.

May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns.

*Target Organs: *Eyes, skin, mucous membranes.

II. POTENTIAL HEALTH EFFECTS

INHALATION: Can cause burns of mucous membranes, throat, esophagus, and stomach.

SKIN CONTACT: Can cause severe irritation and/or burns characterized by redness, swelling, and scab formation.

EYE CONTACT: Causes rapid tissue damage, which can lead to permanent damage.

INGESTION: Causes severe burning of mouth, throat and stomach.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Chronic effects and medical conditions aggravated by overexposure to this product have not been established.

SECTION 3.

COMPOSITION / INFORMATION ON INGREDIENTS:

The identity of individual components of this mixture is proprietary information and regarded to be a trade secret. However, based on the health hazard determination of ingredients present at a concentration greater than 1% and 0.1% or more of a carcinogenic substance, this mixture presents the following hazard:

HAZARDOUS COMPONENTS	% (RANGE)	CAS NO.	OSHA PEL	ACGIH TLV
Sodium Hypochlorite	1 – 5	7681-52-9	0.5 ppm as Cl ₂ (TWA) 1 ppm as Cl ₂ (STEL)	0.5 ppm as Cl ₂ (TWA) 1 ppm as Cl ₂ (STEL)
Potassium Hydroxide	1 – 5	1310-58-3	2mg/m ³	2mg/m ³
Sodium Hydroxide	1 – 5	1310-73-2	2mg/m ³	2mg/m ³ Ceiling



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SECTION 4.

FIRST AID MEASURES:

INHALATION: Immediately move victim to fresh air. Give artificial respiration if breathing has stopped. Get medical attention immediately.

SKIN: Immediately flush the area with flowing water for at least 15 minutes, while removing contaminated clothing. Wash the area with a nonabrasive soap and plenty of water. Wash clothing separately before reuse.

EYES: Immediately flush with plenty of water, alternately lifting the upper and lower eyelids. If appropriate, after 5 minutes, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation persists.

INGESTION: Drink 2-3 glasses of water. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get prompt medical attention.

SECTION 5.

FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Foam, CO₂, water fog, sand/earth

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed drums can develop explosive pressures under fire conditions. Use a water spray to cool.

SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH approved or equivalent self-contained breathing apparatus and protective clothing.

SECTION 6.

ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Isolate area and eliminate all ignition sources. Wear appropriate protective equipment and clothing during clean-up. Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Keep product out of sewers, watersheds, and water systems. Residues may be neutralized with dilute acetic or hydrochloric acids.

SECTION 7.

HANDLING AND STORAGE:

USAGE PRECAUTIONS: Use as directed. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

STORAGE PRECAUTIONS: Store in a cool, well-ventilated area. Protect containers against damage. Keep container closed when not in use. Store away from heat, sparks, open flame or sunlight. Keep out of reach of children.

OTHER PRECAUTIONS: Avoid contact with acids.

SECTION 8.

EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROLS: Ensure adequate ventilation. Local exhaust is suggested for use in enclosed or confined areas. Maintain emergency eye and shower facilities.

RESPIRATORY PROTECTION: Avoid breathing vapors and mists. If ventilation is not sufficient to effectively prevent buildup of vapors or mists and the exposure limit is exceeded, use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges.

SKIN PROTECTION: Wear rubber, neoprene, or nitrile gloves, and chemically resistant protective clothing, e.g., apron, or jump-suit and rubber boots.

EYE PROTECTION: Wear chemical splash goggles and a full-face shield where there is potential for eye contact.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

FLASH POINT: NA
BOILING POINT: >212°F
MELTING POINT: <32°F
VAPOR PRESSURE (mm Hg): NA
% VOLATILE BY VOLUME: ND
SPECIFIC GRAVITY: 1.098
APPEARANCE: Transparent amber liquid
ODOR / TASTE: Bleach like
SOLUBILITY IN WATER: Complete
pH at 25°C: 14
VISCOSITY: NA

SECTION 10. STABILITY AND REACTIVITY:

STABILITY _____ Unstable X Stable

INCOMPATIBILITY (*Materials to Avoid*): Avoid contact with many common metals, such as aluminum and zinc, strong acids, amines, ammonia, ammonium salts, reducing agents, formic acid, methanol, and formic acid.

HAZARDOUS DECOMPOSITION PRODUCTS: High temperatures and flames may produce toxic hydrogen chloride and chlorine gases and oxides of potassium, sodium, and phosphorous.

HAZARDOUS POLYMERIZATION: _____ MAY OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID: High temperatures and incompatibles.

SECTION 11. TOXICOLOGICAL INFORMATION:

Toxicological data is not available.

SECTION 12. ECOLOGICAL INFORMATION:

Ecological data is not available.

SECTION 13. DISPOSAL CONSIDERATIONS:

Collect and dispose of in accordance with Federal, State and Local laws and regulations.

SECTION 14. TRANSPORT INFORMATION:

DOT

DOT Proper Shipping Name: Corrosive liquid, Basic, Inorganic, N.O.S., (Potassium Hydroxide, Sodium Hypochlorite), 8, UN3266, PGII

SECTION 15. REGULATORY INFORMATION:

This product is not considered a carcinogen or cancer suspect under NTP, IARC and OSHA.

SARA Title III Section 302 Extremely Hazardous Substances(40 CFR355, Appendix A):

None listed

SARA Title III Section 313 Reportable Ingredients(40 CFR372):

None listed



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CERCLA Designation & Reportable Quantities (RQ) (40 CFR 302.4):

Sodium Hypochlorite (7681-52-9) (RQ =100 lb); Sodium Hydroxide (1310-73-2) (RQ=1,000lb), Potassium Hydroxide (1310-58-3) (RQ = 1,000 lb)

CALIFORNIA/OSHA DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES (8 CCR 339): Sodium Hypochlorite, Sodium Hydroxide, Potassium Hydroxide

CALIFORNIA PROPOSITION 65: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. – None known

Label: Corrosive

NFPA RATING: Health: 2 Fire: 0 Reactivity: 1

SECTION 16. OTHER INFORMATION:

SUPERSEDES: MSDS issued on 1/27/10. Section 15 updated.

NA: not applicable ND: not determined

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